

INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 02 DEC

10/516540
International application No.
PCT/EP 03/06034

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C25D15/00 H01R13/03 C25D7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C25D H01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Section Ch, Week 199921 Derwent Publications Ltd., London, GB; Class L03, AN 1998-205933 XP002219395 & SE 510 043 C (ABB RES LTD), 12 April 1999 (1999-04-12)	1-5, 8, 14-19
A	abstract ---	9, 13, 20
X	WO 98 23444 A (LEARONAL INC) 4 June 1998 (1998-06-04) page 12, line 3-7 page 13, line 1 -page 14, line 7	1-3, 6-8, 16, 17, 19
A	page 24, paragraph 1 ---	11, 13, 20
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 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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& document member of the same patent family

Date of the actual completion of the international search

6 November 2003

Date of mailing of the international search report

14/11/2003

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A	examples ---	11
X	US 6 360 437 B1 (ITOH SHIGENORI ET AL) 26 March 2002 (2002-03-26)	1, 2, 4-8, 11, 12, 14-16, 18, 19
A	claims 1, 7-10, 12 column 6, line 4-12 ---	/
X	US 5 853 557 A (MOLVAR ALLEN E ET AL) 29 December 1998 (1998-12-29)	1, 3, 6-9, 11, 13, 17, 19, 20
	abstract column 11, line 1-28 claims 1, 9-11, 13, 14 ---	
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A	column 3, line 53-65 column 6, line 19-22, 32, 33 column 2, line 36-51 ---	13, 20
X	US 5 028 492 A (GUENIN BRUCE M) 2 July 1991 (1991-07-02) cited in the application column 3, line 53-62 column 5, line 1-22, 41-60 column 5, line 67 -column 6, line 19 ---	1, 3, 6, 8, 9, 11, 12, 17, 19
X	US 3 672 970 A (TOMASZEWSKI THADDEUS W) 27 June 1972 (1972-06-27)	14, 15, 17, 18
A	column 1, line 10-41 column 2, line 44-67 column 4, line 45-58, 64-71 column 5, line 22-33 ---	1, 3-6, 8, 9, 12, 13, 20
X	US 3 756 925 A (OKAMOTO Y ET AL) 4 September 1973 (1973-09-04)	17
A	column 3, line 43-72 column 4, line 14-16, 62 examples claims 1, 7 ---	1, 3, 6-10, 13, 20

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A	page 3, line 57 -page 4, line 24 page 6, column 3-6 page 10, line 36 claim 7 ----	1,3,6, 9-11,13, 20
A	DE 197 02 366 A (TOYODA GOSEI KK) 7 August 1997 (1997-08-07) abstract column 1, paragraph 2 column 5, line 42-58 ----	1-6, 13-18,20
A	US 6 319 308 B1 (MCCOMAS EDWARD) 20 November 2001 (2001-11-20) column 1, paragraph 1 column 2, paragraphs 4,6 column 3, line 19-23 column 4, line 10-14 example 1 ----	1,3-8, 13-15, 17,18,20
A	DE 43 41 537 A (FORD WERKE AG) 9 June 1994 (1994-06-09) abstract figure 111 ----	1,13,14, 16-18,20
A	EP 0 285 931 A (NIPPON STEEL CORP) 12 October 1988 (1988-10-12) figure 8 claims 1,2 page P, paragraph 1 ----	1,13,14, 16-18,20

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